



## DATA SHEET

### Product overview

|                        |   |
|------------------------|---|
| Name                   | CELT-372 (cat n. ADOR-589-1)  |
| Short description      | Potent hA <sub>1</sub> /hA <sub>2B</sub> adenosine receptors fluorescent antagonist.  |
| Biological description | It shows K <sub>i</sub> = 1.89 nM, K <sub>i</sub> = 80.33 nM and K <sub>i</sub> = 24.65 nM for A <sub>1</sub> , A <sub>2A</sub> and A <sub>2B</sub> respectively in radioligand binding assay and very low affinity for A <sub>3</sub> adenosine receptor (K <sub>i</sub> = 967.48 nM). |
| Biological action      | Modulation of hA <sub>1</sub> /hA <sub>2B</sub> adenosine receptors by orthosteric antagonism.  |
| Quantity               | 10 µg   |
| Purity                 | > 95%   |

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### Properties

|                            |   |
|----------------------------|---|
| Molecular Weight           | 1167.19   |
| Source                     | Synthetic   |
| Appearance                 | Purple solid  |
| Formulation                | Solid   |
| Excitation                 | 589 nm  |
| Emission                   | 616 nm  |
| Pharmacological validation | The efficacy and potency of CELT-372 as a fluorescent hA <sub>1</sub> /hA <sub>2B</sub> adenosine receptor ligand was confirmed by a radioligand binding assay. |

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### Storing and Using product

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|----------------------|---|
| Storage instructions | -20 °C (protect from light).  |
| Solubility overview  | Soluble in DMSO.  |
| Stock solution       | Add 86 µL of DMSO to obtain a 100 µM stock solution. We recommend not exceeding 1% of DMSO in the final assay solution.                   |
| Handling             | After thawing individual aliquots for use, we recommend briefly sonicating the sample to ensure it is fully dissolved and the solution is |

homogeneous. We do not recommend using the product after subjecting it to repetitive freeze-thaw cycles.

Shipping conditions

The product, as a solid, is stable at ambient temperature for periods of up to a few days and does not require shipping on ice/dry ice.

Important

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.